# UNITED STATES PATENT AND TRADEMARK OFFICE

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/783,538 | 02/20/2004 | Stephen Cutler | CUTSP0104US | 7446 |

23908     7590     11/20/2008
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|---|
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| ART UNIT | PAPER NUMBER |
|---|---|
| 3691 | |

| MAIL DATE | DELIVERY MODE |
|---|---|
| 11/20/2008 | PAPER |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on <u>*30 July 2008*</u>.
2a) ☐ This action is **FINAL**.    2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) *1-184* is/are pending in the application.
    4a) Of the above claim(s) *15-44, 85-92, 107-136 and 177-184* is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) *1-14, 45-84, 93-99 and 137-176* is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All   b)☐ Some *   c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

## DETAILED ACTION

This action is in response to the reply filed on July 30, 2008.

### *Election/Restrictions*

Applicant's election with traverse of groups 1-V in the reply filed on July 30, 2008

is acknowledged. The traversal is on the ground(s) that groups I and V are similar and

are classified in 705/36r. This is not found persuasive because the scope of the claims

does not overlap. Although they are classified in the same area, both groups would

require different searches. Therefore, claims 15-44, 85-92, 107-136, and 177-184 have

been withdrawn.

The requirement is still deemed proper and is therefore made FINAL.

### *Claim Rejections - 35 USC § 101*

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of
matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the
conditions and requirements of this title.

Claims 1-14, 45-84, 93-99, and 135-176 are rejected under 35 U.S.C. 101

because the claimed invention is directed to non-statutory subject matter.

Claims 1-14 and 45-84 recited a method. Based on Supreme Court precedent, a

proper process must be tied to another statutory class or transform underlying subject

matter to a different state or thing (*Diamond v. Diehr,* 450 U.S. 175, 184 (1981); *Parker*

v. *Flook,* 437 U.S. 584, 588 n.9 (1978); *Gottschalk v. Benson,* 409 U.S. *63,* 70 (1972);

*Cochrane* v. *Deener,* 94 U.S. 780,787-88 (1876)). Since neither of these requirements

is met by the claim, the method is not considered a patent eligible process under 35

U.S.C. 101. To qualify as a statutory process, the claim should positively recite the

other statutory class to which it is tied, for example by identifying the apparatus that

accomplished the method steps or positively reciting the subject matter that is being

transformed, for example by identifying the material that is being changed to a different

state.

Claims 93-106 and 137-176 recite a program embodied on a computer readable

medium. The medium should be tangible and executed by a computer.

### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-14, 45-84, 93-99, and 135-176 are rejected under 35 U.S.C. 102(e) as

being anticipated by Borzenko (6,963,855).

Borzenko discloses a method and corresponding program for displaying market

activity comprising tracking activity of a plurality of market makers relating to securities

traded on at least one common exchange where the market makers place bids and

asks, receiving a dynamically updated data stream containing level 1 and level 2 data

relating to a plurality of securities traded over the at least one exchange, the level 1 data

including at least the last trade price, inside bid and inside ask of each security and the

level 2 data containing a bid price, a bid time, a bid volume, a security identifier, and a

market maker identifier for each bid, and an ask price, an ask volume, an ask time, a

security identifier and a market maker identifier for each ask, and analyzing the data

stream for a set of symbols to derive a statistic indicative of activity of an inside market

for each of the symbols, the statistic updated to correspond to content of the updated

data stream and the statistic selected from at least one of a total number of market

makers at the inside market, and a difference between a number of market makers at

an inside bid price and a number of market makers at an inside ask price (col.2, line 25

to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying at least one of the statistics indicative of activity of the inside market in at

least one of a table or a chart for each corresponding symbol (col.2, line 25 to col.4, line

18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); dynamically

sorting the at least one of the table or the chart based on a parameter selected by the

user to reflect current market activity (col.2, line 25 to col.4, line 18; col.6, lines 6-35;

col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering the data stream, the

filtering including discarding bids having a price lower than the last trade value minus

one of a selected threshold percentage of the last trade value or a fixed price away, and

discarding asks having a price higher than the last trade value plus one of a selected

threshold percentage of the last trade value or a fixed price away (col.2, line 25 to col.4,

line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering

is conducted for a plurality of selected threshold percentages or fixed prices away, and

for each selected threshold percentage or fixed price away a corresponding data set is

derived, the statistic being calculated and updated for each symbol for each data set

(col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); filtering the data stream for each symbol based on traded volume

(col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); filtering the data stream for each symbol based on traded price

(col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); receiving a dynamically updated data stream containing level 1 and

level 2 data relating to a plurality of securities traded over the at least one exchange, the

level 1 data including at least the last trade price, inside bid and inside ask of each

security and the level 2 data containing a bid price, a bid time, a bid volume, a security

identifier, and a market maker identifier for each bid, and an ask price, an ask volume,

an ask time, a security identifier and a market maker identifier for each ask, and

analyzing the data stream for a set of symbols to derive a statistic indicative of volume

activity of an inside market for each of the symbols, the statistic updated to correspond

to content of the updated data stream and the statistic selected from at least one of a

total volume of shares at the inside market, a difference between a number of shares at

an inside bid price and a number of shares at an inside ask price, percent of inside

market shares at the inside bid price, and percent of inside market shares at the inside

ask price (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55;

and col.11, lines 30-45); displaying at least one of the statistics indicative of volume

activity of the inside market in at least one of a table or a chart for each corresponding

symbol (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55;

and col.11, lines 30-45); dynamically sorting the at least one of the table or the chart

based on a parameter selected by the user to reflect current market activity (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering the data stream, the filtering including discarding bids having a price lower than the last trade value minus one of a selected threshold percentage of the last trade value or a fixed price away, and discarding asks having a price higher than the last trade value plus one of a selected threshold percentage of the last trade value or a fixed price away (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering is conducted for a plurality of selected threshold percentages or fixed prices away, and for each selected threshold percentage or fixed price away a corresponding data set is derived, the statistic being calculated and updated for each symbol for each data set (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering the data stream for each symbol based on traded volume (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering the data stream for each symbol based on traded price (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); tracking a plurality of symbols and activity of a plurality of market makers relating to securities traded on at least one common exchange where the market makers place bids and asks, receiving a dynamically updated data stream containing level 2 data relating to a plurality of securities traded over the at least one exchange, the level 2 data containing a bid price, a bid time, a bid volume, a security identifier, and a market maker identifier for each bid, and an ask price, an ask volume, an ask time, a security identifier and a market maker identifier for

each ask and tracking on a symbol by symbol basis for a set of symbols at least one

statistic selected from a number of bids, a number of asks, a bid volume of shares, an

ask volume of shares, a volume of shares per bid and a volume of shares per ask for

each of a first time period and a second time period (col.2, line 25 to col.4, line 18; col.6,

lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); displaying at least one

of the tracked statistics in at least one of a table or a chart for each corresponding

symbol (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55;

and col.11, lines 30-45); at least one of the tracked statistics calculating an average of

the tracked statistic per unit of time over the respective time periods (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

wherein the first and the second time periods are from the current trading session (col.2,

line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines

30-45); wherein the first time period is from the current trading session and the second

time period is selected from one of a previous trading session and an average of

multiple trading sessions (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35

to col.8, line 55; and col.11, lines 30-45); wherein the tracked statistics are updated

based on contents of the data stream at regular intervals (col.2, line 25 to col.4, line 18;

col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); each interval

corresponds to a unit of time and, after each interval elapses, the tracked statistics are

updated based on data from the most recent intervals that in total corresponds

respectively to a length of the first time period and a length of the second time period

(col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); the tracked statistics are updated as a moving average (col.2, line

25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-

45); displaying for each corresponding symbol in at least one of a table or a chart at

least one of a difference between the number of bids for the first time period and the

number of bids for the second time period, and a difference between the number of

asks for the first time period and the number of asks for the second time period (col.2,

line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines

30-45); displaying for each corresponding symbol in at least one of a table or a chart at

least one of a difference between the bid volume for the first time period and the bid

volume for the second period, and a difference between the ask volume for the first time

period and the ask volume for the second time period (col.2, line 25 to col.4, line 18;

col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); displaying for

each corresponding symbol in at least one of a table or a chart at least one of a

difference between the volume per bid for the first time period and the volume per bid

for the second time period, and a difference between the volume per ask for the first

time period and the volume per ask for the second time period (col.2, line 25 to col.4,

line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying for each corresponding symbol in at least one of a table or a chart at least

one of a difference between an average number of bids per unit of time for the first time

period and an average number of bids per unit of time for the second time period, and a

difference between an average number of asks per unit time for the first time period and

an average number of asks per unit of time for the second time period (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying for each corresponding symbol in at least one of a table or a chart at least

one of a difference between an average of the bid volume per unit of time for the first

time period and an average of the bid volume per unit of time for the second time

period, and a difference between an average of the ask volume per unit of time for the

first time period and an average of the ask volume per unit of time for the second time

period (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); tracking a plurality of symbols and activity of a plurality of market

makers relating to securities traded on at least one common exchange where the

market makers place bids and asks, receiving a dynamically updated data stream

containing level 2 data relating to a plurality of securities traded over the at least one

exchange, the level 2 data containing a bid price, a bid time, a bid volume, a security

identifier, and a market maker identifier for each bid, and an ask price, an ask volume,

an ask time, a security identifier and a market maker identifier for each ask and

for a selected market maker, tracking on a symbol by symbol basis for a set of symbols

at least one statistic selected from a number of bids, a number of asks, a bid volume of

shares, an ask volume of shares, a volume of shares per bid and a volume of shares

per ask for each of a first time period and a second time period (col.2, line 25 to col.4,

line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying at least one of the tracked statistics in at least one of a table or a chart for

each corresponding symbol (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line

35 to col.8, line 55; and col.11, lines 30-45); for at least one of the tracked statistics

calculating an average of the tracked statistic per unit of time over the respective time

periods (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55;

and col.11, lines 30-45); wherein the first and the second time periods are from the

current trading session (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to

col.8, line 55; and col.11, lines 30-45); the first time period is from the current trading

session and the second time period is selected from one of a previous trading session

and an average of multiple trading sessions (col.2, line 25 to col.4, line 18; col.6, lines 6-

35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); the tracked statistics are

updated based on contents of the data stream at regular intervals (col.2, line 25 to col.4,

line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); each

interval corresponds to a unit of time and, after each interval elapses, the tracked

statistics are updated based on data from the most recent intervals that in total

corresponds respectively to a length of the first time period and a length of the second

time period (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line

55; and col.11, lines 30-45); the tracked statistics are updated as a moving average

(col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); displaying for each corresponding symbol in at least one of a table

or a chart at least one of a difference between the number of bids for the first time

period and the number of bids for the second time period, and a difference between the

number of asks for the first time period and the number of asks for the second time

period (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); displaying for each corresponding symbol in at least one of a table

or a chart at least one of a difference between the bid volume for the first time period

and the bid volume for the second period, and a difference between the ask volume for

the first time period and the ask volume for the second time period (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying for each corresponding symbol in at least one of a table or a chart at least

one of a difference between the volume per bid for the first time period and the volume

per bid for the second time period, and a difference between the volume per ask for the

first time period and the volume per ask for the second time period (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying for each corresponding symbol in at least one of a table or a chart at least

one of a difference between an average number of bids per unit of time for the first time

period and an average number of bids per unit of time for the second time period, and a

difference between an average number of asks per unit time for the first time period and

an average number of asks per unit of time for the second time period (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

displaying for each corresponding symbol in at least one of a table or a chart at least

one of a difference between an average of the bid volume per unit of time for the first

time period and an average of the bid volume per unit of time for the second time

period, and a difference between an average of the ask volume per unit of time for the

first time period and an average of the ask volume per unit of time for the second time

period (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and

col.11, lines 30-45); for a second market maker and on a symbol by symbol basis,

tracking the at least one statistic selected from a number of bids, a number of asks, a

bid volume, an ask volume, a volume per bid and a volume per ask for each of a first

time period and a second time period, and comparing the at least one statistic for the

selected market maker and the at least one statistic for the second marker maker (col.2,

line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines

30-45); tracking activity of a plurality of market makers relating to securities traded on at

least one common exchange where the market makers place bids and asks,

receiving a dynamically updated data stream containing level 1 and level 2 data relating

to a plurality of securities traded over the at least one exchange, the level 1 data

including at least the last trade price, inside bid and inside ask of each security and the

level 2 data containing a bid price, a bid time, a bid volume, a security identifier, and a

market maker identifier for each bid, and an ask price, an ask volume, an ask time, a

security identifier and a market maker identifier for each ask and for each symbol and

market maker pair from a set of symbols and a set of market makers, counting at least

one of a number of times that a bid having an inside bid price is placed, and a number

of times that an ask having an inside ask price is placed (col.2, line 25 to col.4, line 18;

col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); displaying at

least one of the count of bids having the inside bid price and the count of the asks

having the inside ask price in at least one of a table or a chart for each corresponding

symbol (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55;

and col.11, lines 30-45); dynamically sorting the at least one of the table or the chart

based on a parameter selected by the user to reflect current market activity (col.2, line

25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering the data stream for each symbol based on traded volume (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); filtering the data stream for each symbol based on traded price (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); tracking activity of a plurality of market makers relating to securities traded on at least one common exchange where the market makers place bids and asks, receiving a dynamically updated data stream containing level 1 and level 2 data relating to a plurality of securities traded over the at least one exchange, the level 1 data including at least the last trade price, inside bid and inside ask of each security and the level 2 data containing a bid price, a bid time, a bid volume, a security identifier, and a market maker identifier for each bid, and an ask price, an ask volume, an ask time, a security identifier and a market maker identifier for each ask and for each symbol and market maker pair from a set of symbols and a set of market makers, counting at least one of: a number of times the market maker is a first market maker to post an inside bid that is higher than an immediately preceding inside bid for the symbol, and a number of times the market maker is a first market maker to post an inside ask that is lower than an immediately preceding inside ask for the symbol (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); each symbol and market maker pair counting at least one of: a number of times that a bid having an inside bid price is placed, and a number of times that an ask having an inside ask price is placed (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines

30-45); for each symbol and market maker pair counting at least one of: a number of

times the market maker is a last market maker to leave an inside bid price for the

symbol other than by market movement to a higher inside bid price, and a number of

times the market maker is a last market maker to leave an inside ask price for the

symbol other than by market movement to a lower inside ask price (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

for each symbol and market maker pair totaling at least one of: the counted number of

times the market maker is the first market maker to post an inside bid that is higher than

an immediately preceding inside bid and the counted number of times the market maker

is the last market maker to leave an inside bid price, and the counted number of times

the market maker is the first market maker to post an inside ask that is lower than an

immediately preceding inside ask and the counted number of times the market maker is

the last market maker to leave an inside ask price (col.2, line 25 to col.4, line 18; col.6,

lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45); displaying at least one

of the counts in at least one of a table or a chart for each corresponding symbol and

market maker pair (col.2, line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8,

line 55; and col.11, lines 30-45); dynamically sorting the at least one of the table or the

chart based on a parameter selected by the user to reflect current market activity (col.2,

line 25 to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines

30-45); filtering the data stream for each symbol based on traded volume (col.2, line 25

to col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45);

and filtering the data stream for each symbol based on traded price (col.2, line 25 to

col.4, line 18; col.6, lines 6-35; col.7, line 35 to col.8, line 55; and col.11, lines 30-45).

## *Conclusion*

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Lalita M. Hamilton whose telephone number is (571)

272-6743.  The examiner can normally be reached on Tuesday-Thursday (6:30-2:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kalinowski Alexander can be reached on (571) 272-6771.  The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


/Lalita  M Hamilton/
Primary Examiner, Art Unit 3691